

# Felipe F. B. Silva

João Pessoa, PB - Brazil

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## Summary

Specialized in Back-End development with solid knowledge in related areas such as information security, service communication, databases, among other subjects. I have experience in developing REST APIs with microservices architecture using methodologies like TDD and business modeling with DDD. Adept of remote teamwork, particularly using agile methodologies and code versioning tools. Superior degree in Telematics Technology from the Federal Institute of Education, Science and Technology of Paraíba, Campus of Campina Grande. Always seeking to enhance my skills in software development, especially in software architecture.

## Skills

<b>Programming Languages</b>	GoLang, Typescript, Python, Shell Script
<b>Databases</b>	PostgreSQL, DynamoDB, MongoDB
<b>Tools</b>	Git, Docker, GitHub Actions, AWS, testcontainers, GNU/Linux, Swagger, JWT
<b>Other Languages</b>	LaTeX, Markdown, HTML5, CSS3

## Experience

### Backend Developer

São Paulo, SP - Brazil (Remote)

THEIA

Jun, 2022 - Dec, 2023

- Implementing new services in Go, modernizing legacy services by adopting a microservices architecture and ensuring evolutionary security through robust testing
- Automating plenty manual processes, ensuring greater consistency and standardization
- Implemented traceability, OpenAPI documentation, and various other enhancements and code standardization to improve code readability and maintainability
- Languages: GoLang, Postgres, Kotlin
- Technologies: AWS(S3, ECR, DynamoDB, SQS), testcontainers, Github, Swagger, JWT, OAUTH2.0

### Backend Developer

Rio de Janeiro, RJ - Brazil (Remote)

APOIO ECOLIMP

Feb, 2022 - Jun, 2023

- Developing web services
- Languages: GoLang, Typescript, MongoDB
- Technologies: NestJS, Swagger, AWS

### Researcher and Developer

Campina Grande, PB - Brazil  
(Remote)

LABORATÓRIO DE SISTEMAS DISTRIBUÍDOS (LSD) - UFCG

Aug, 2021 - Jun, 2022

- Researching and Developing security solutions for virtual environments using a vTPM-based architecture
- Languages: GoLang, Shell Script
- Technologies: VMWare, Trusted Platform Module(TPM), GNU/Linux

### Backend Developer

Campina Grande, PB - Brazil  
(Remote)

NÚCLEO DE TECHNOLOGIES ESTRATÉGICAS EM SAÚDE (NUTES) - UEPB

Jun, 2021 - Aug, 2021

- Developing microservices for 'Sênior Saúde Móvel' application
- Languages: Python, MongoDB
- Technologies: Flask, GNU/Linux

### Tech Instructor

Rio de Janeiro, RJ - Brazil (Remote)

RESILIA EDUCAÇÃO

May, 2021 - Dec, 2021

- Helping people to understand and develop WebAPIs and database modeling
- Languages: Javascript, MySQL
- Technologies: Express.js, Node.js, MySQL Workbench

### Scholarship Researcher

Campina Grande, PB - Brazil

GCOMPI LABORATORY - IFPB

Jan, 2020 - May, 2021

- Developing research projects using embedded systems focusing on Wireless Sensor Networks
- Languages: C, Python
- Technologies: SCons, FreeRTOS, GNU/Linux

# Education

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## Telematics technologist

INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DA PARAÍBA

Campina Grande, PB

Sept, 2017 - May, 2021

# Languages

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- Portuguese - Native
- English - Fluent

# Projects

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## The Impact of IEEE 802.15.4g Modulations on Communication Quality in a Smart Building Environment

GRADUATION PROJECT

2020

- Utilizing Embedded Systems for Telecommunications Parameter Verification to Analyze Data on Wireless Link Quality
- Technologies used: C/C++, Python 3, InfluxDB, GNU/Linux.
- Repository: <https://github.com/GComPI-IFPB/openmote-fw>

## Coronavírus BR

PERSONAL PROJECT

2020

- Website developed together with friends to help and inform the Brazilian people about the COVID-19 pandemic
- Technologies used: Typescript, ReactJS, Gatsbyjs, GraphQL
- Repository: <https://github.com/henry-ns/coronavirusbr>

## Tim Maia Bot

CHALLENGE

2020

- Musical bot for Discord that plays songs by singer Tim Maia developed for Desafio333 by the Code Falado community
- Technologies used: Javascript, Discord.js
- Repository: <https://github.com/felipefbs/desafio333/tree/master/2020-Bot-Discord/felipefbs>

## Tetris333

CHALLENGE

2020

- The classic tetris game developed in Typescript for Desafio333 by the Code Falado community.
- Technologies used: Typescript, p5.js, ReactJS.
- Repository: <https://github.com/henry-ns/tetris333>

## Robotic Arm Manipulation Using Accelerometer and ESP32 Microcontroller Applied to Robotics Teaching

ACADEMIC PROJECT

2019

- Use of a robotic arm controlled by microcontrollers to explain physical concepts such as acceleration of gravity applied to basic education
- Technologies used: Arduino C.